

Rapid Response

DIAGNOSTICS

2021 VWR Product Catalogue



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Who We Are

Based in Ontario, Canada, BTNX is a biotechnology company with an international reputation for excellence earned through consistently delivering value and quality over its 21 years in business as a Canadian Manufacturer of diagnostic products. Under the Rapid Response® brand, BTNX offers a comprehensive range of rapid point-of-care diagnostic tests.

BTNX provides its distributors with the highest quality products at competitive pricing. This is accomplished through partnering with the most innovative manufacturing facilities staffed with teams of expert professionals; allowing BTNX to deliver real value to its customers.

Quality Control and Regulatory Affairs

BTNX's quality systems are certified under ISO 13485:2016 and audited annually by Intertek. BTNX also participates in proficiency testing programs from:

- The Association of Bioanalysts (AAB)
- The College of American Pathologists (CAP)
- The American Proficiency Institute (API)

BTNX's Rapid Response® products are CE Marked in the European Union and are approved by the FDA, Health Canada, and many other regulatory bodies around the world.



A World-Leader in Rapid Diagnostics



Rapid Response®

Women's Health

Rapid Response® offers an array of Women's Health products tailored to provide healthcare professionals with easy-to-use solutions for the unique health care and diagnostic needs of women.



Rapid Response[®] Midstream Test



Midstream Tests

Sample: Urine

Key Features

- User-friendly design
- Does not require a urine cup

Time to Result - 3 Minutes

Rapid Response[®] Test Cassette



Test Cassette

Sample: Urine or Serum

Key Features

- Compact format makes it easy to transport large numbers of tests
- Dual specimen format available

Time to Result - 5 Minutes

Rapid Response[®] Test Strip



Test Strip

Sample: Urine or Serum

Key Features

- Compact format makes it easy to transport large numbers of tests
- Dual specimen format available

Time to Result - 5 Minutes





Rapid Response[®] hCG Pregnancy Midstream Test Cassette

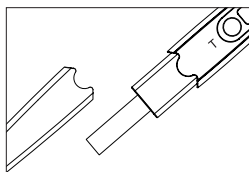
The **Rapid Response[®] hCG Pregnancy Midstream Test** is a rapid, self-performing, qualitative test for the determination of human chorionic gonadotropin in human urine specimens, to aid in the early detection of pregnancy. It is intended for in vitro diagnostic use only.

- **VWR Cat. No:** 76473-486
- **Format:** Midstream
- **Time to Result:** 3 Minutes
- **Quantity:** 1 Test / Kit
- **Supplier No:** HCG-1M1
- **Storage:** 35.6 - 86°F / 2 - 30°C
- **Specimen:** Urine
- **Specificity:** Human Chorionic Gonadotropin

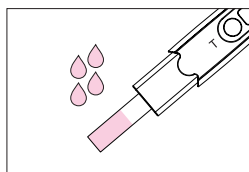


Easy to Use

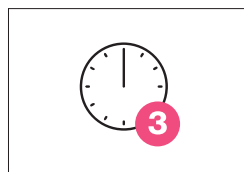
Please follow the product insert for specimen collection and test procedure.



Step 1
Remove the protective cap.

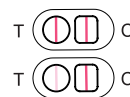


Step 2
Add sample to the device.



Step 3
Set a timer. Read at 3 minutes.

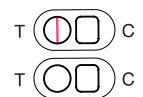
Interpretation of Results



**Positive
(Pregnant)**



**Negative
(Not Pregnant)**



Invalid

Rapid Response[®]

Featured Products



VWR Cat. No	Cat. No.	Product Name	Specimen	Qty /Kit
76473-482	HCG-1C25	hCG Pregnancy Test Cassette	Urine	25
76473-486	HCG-1M1	hCG Pregnancy Midstream Test Cassette	Urine	1
76473-490	HCG-1S50	hCG Pregnancy Test Strip	Urine	50
76473-492	HCG-3C25	hCG Pregnancy Test Cassette Combo	Urine / Serum	25
76473-498	LH-1C25	LH Ovulation Test Cassette	Urine	25
76473-476	FSH-1C25	FSH Menopause Test Cassette	Urine	25



Rapid Response[®]

Urinalysis

Rapid Response[®] offers a selection of Urinalysis products intended to empower healthcare professionals by streamlining the process of screening for urinary disorders. Our Urinalysis products are especially useful in the preliminary screening for diabetes, liver diseases, hemolytic diseases, urogenital, and kidney disorders.



Available Urinalysis Parameters and Adulterants

Acronym	Parameter Detected	Time to Results (Seconds)
LEU	Leukocytes	120
NIT	Nitrite	60
URO	Urobilinogen	60
PRO	Protein	60
BLO	Blood	60
SG	Specific Gravity	45
KET	Ketone	40
BIL	Bilirubin	30
GLU	Glucose	30
pH	pH	60
MAC*	Microalbumin	60
CRE*	Creatinine	60

*Available on the 2 Parameter Urinalysis Reagent Strip (2.3) only

Adulterants Detected*	Description
pH	Tests for pH outside the normal range which may indicate the presence acidic or alkaline adulterants
Oxidants	Tests for the presence of oxidizing reagents (such as bleach)
Creatinine	Tests for specimen dilution
Specific Gravity	Tests for specimen dilution and hydration level
Glutaraldehyde	Tests for the presence of aldehydes adulterants
Nitrite	Tests for the presence of exogenous nitrite adulterants
Pyridium Chlorochromate	Tests for the presence of chromate adulterants

* For the Urine Adulteration Test Strip



Rapid Response®

10 Parameter - Urinalysis Reagent Strip

The **Rapid Response® 10 Parameter Urinalysis Reagent Strip** is a qualitative and semi-quantitative dip-and-read test for the detection of analytes in urine to aid in the general evaluation of health and in the diagnosis and monitoring of metabolic or systemic diseases.

It is intended for in vitro diagnostic use only. Test results are interpreted by direct comparison to the color blocks printed on the canister label.

- **VWR Cat. No: 76473-512**
- **Format:** Strip
- **Time to Result:** < 2 Minutes
- **Quantity:** 100 Tests / Kit
- **Supplier No:** U10.1-1S100
- **Storage:** 35.6 - 86°F / 2 - 30°C
- **Specimen:** Urine
- **Specificity:** Please contact for details

Analytes:

- Leukocytes
- Nitrite
- Urobilinogen
- Protein
- pH
- Blood
- Specific Gravity
- Ketone
- Bilirubin
- Glucose



Rapid Response®

Featured Products



VWR Cat. No	Cat. No.	Product Name	Additional Info	Qty /Kit
76473-512	U10.1-1S100	10 Parameters Urinalysis Reagent Strip	Leukocytes, Nitrite, Urobilinogen, Protein, pH, Blood, Specific Gravity, Bilirubin, Glucose	100
76473-516	U2.1-1S100	2 Parameters Urinalysis Reagent Strip	Glucose, Protein	100
76473-518	U2.3-1S25	2 Parameter Urinalysis Reagent Strip	Microalbumin, Creatinine	25
76473-520	U5.1-1S100	5 Parameters Urinalysis Reagent Strip	Glucose, Blood, Protein, Leukocytes, Nitrite	100
76473-522	U7.1-1S100	7 Parameters Urinalysis Reagent Strip	pH, Glucose, Ketone, Nitrite, Leukocytes, Protein, Blood	100
76473-524	URA-1S65	Urinary Adulteration Test Strip	Leukocytes, Nitrite	25
76473-514	U120S	Urine Analyzer 120S	N/A	1 Unit
76473-394	AUCT-1V1	Liquid Diptube Urine Controls	N/A	1 Unit
76473-526	UTI-1S1	UTI Test Strip	N/A	1 Unit



Rapid Response®

Infectious Diseases

Rapid Response® offers a wide array of infectious disease products designed to deliver direct and accurate results; enabling healthcare professionals to provide their patients with timely and informed care.





Rapid Response[®] COVID-19 Antigen Rapid Test Device



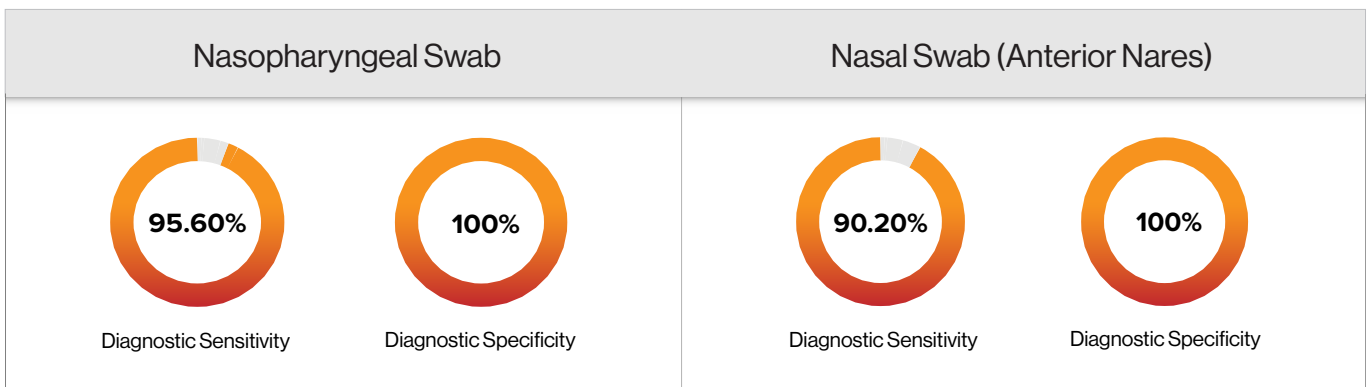
Point of Care

Authorized by Health Canada (Interim Authorization #321669)

The **Rapid Response[®] COVID-19 Antigen Rapid Test Device** is an efficient and cost-friendly method of detection. In just 15 minutes, the test can detect the SARS-CoV-2 viral nucleoprotein antigens through visual interpretation of colour development. The test is intended for use with Nasal and Nasopharyngeal secretions within 6 days of symptom onset, or for serial testing of asymptomatic individuals.*

- **VWR Cat. No: CA76469-802**
- **Supplier No: COV-19C25**
- **Format: Cassette**
- **Storage: 35.6 - 86°F / 2 - 30°C**
- **Time to Result: 15 minutes**
- **Specimen: Anterior Nasal / Nasopharyngeal**
- **Quantity: 25 Tests / Kit**
- **Specificity: COVID-19 Virus Antigen**

Clinical Evaluations with PCR Validated Samples



REF COV-19C25

Kit Contents:

Test Devices, Tube Stand, Swabs, Extraction Buffer, Extraction Tube, Nozzle with Filter, Product Insert

* Individuals without symptoms or other epidemiological reasons to suspect COVID-19 infection, when tested twice over two (or three) days with at least 24 hours (and no more than 36 hours) between tests.





Rapid Response[®] COVID-19 IgG / IgM Rapid Test Device



Point of Care for Fingertick Blood Sample

Authorized by Health Canada (Interim Authorization #313076)

The **Rapid Response[®] COVID-19 IgG/IgM Rapid Test Device** is the first of its kind in Canada and is currently authorized by Health Canada (Interim Order #313076) for Point-Of-Care Use with fingertick blood sample. The test device can rapidly & qualitatively test for the presence of anti-SARS-CoV-2 IgM and anti-SARS-CoV-2 IgG antibodies in human whole blood, serum, or plasma samples.

- **VWR Cat. No: CA76469-800**
- **Format:** Cassette
- **Time to Result:** 15 minutes
- **Quantity:** 25 Tests / Kit
- **Supplier No:** COV-13C25
- **Storage:** 35.6 - 86°F / 2 - 30°C
- **Specimen:** Whole Blood / Serum / Plasma
- **Specificity:** Anti-SARS-CoV-2 IgM & IgG Antibodies

Clinical Evaluations with PCR Validated Samples

Clinical Study Results Using Fingertick Blood Samples

*≥15 Days from Symptom Onset:

IgG Sensitivity - 100%

Combined Sensitivity and Specificity Data:

IgG Sensitivity - 90.5% IgM Sensitivity - 88.1%

IgG Specificity - 100% IgM Specificity - 100%

**IgG antibodies become detectable 1-3 weeks after infection*

REF COV-13C25

Kit Contents:

Test Devices, Buffer,
Disposable Pipettes,
Product Insert



Rapid Response®

Featured Products



VWR Cat. No	Cat. No.	Product Name	Specimen	Qty /Kit
CA76469-802	COV-19C25	COVID-19 Antigen Rapid Test Device	Anterior Nasal / Nasopharyngeal	25
76478-836	COV-19SPN-CTRL	COVID-19 Antigen Controls Kit	N/A	Each
CA76469-800	COV-13C25	COVID-19 IgG / IgM Test Device	Whole Blood / Serum / Plasma	25
76473-508	STR-15S25	Strep A Antigen Test Strip	Whole Blood / Serum / Plasma	25
76473-496	HPY-9C25	H. pylori Antigen Test Cassette	Fecal Sample	20
76473-500	MON-13C25	Mononucleosis Antibody Test Cassette	Whole Blood / Serum / Plasma	25



Rapid Response[®]

Drug Screening

Rapid Response[®] offers an array of rapid Drug Screening solutions available in multiple formats. Our products are geared to aid healthcare professionals, first responders and staffing agencies in efficiently and accurately screening for drugs in saliva and urine samples.





Category Overview



Key Terms

Each drug screening product comes with a set combination of parameters and in some cases adulterant tests:

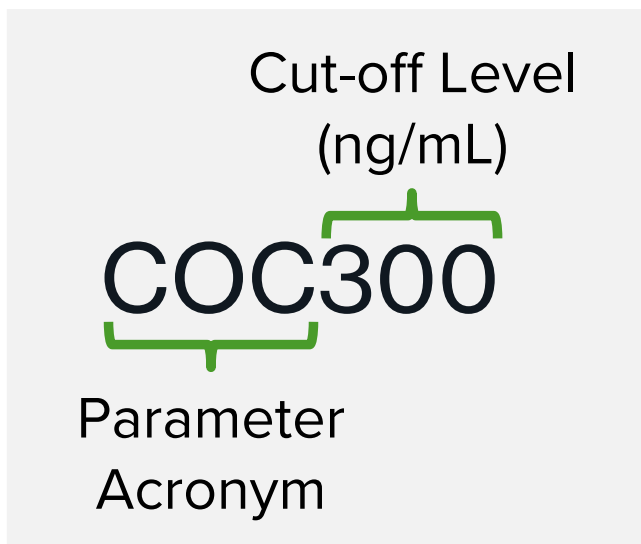
Parameter: the drug or metabolite detected by the test.

Cut-off: the minimum amount of a given parameter present in the sample to achieve a positive result* measured in ng/mL (nanograms per milliliter).

Adulterants: used to ensure the sample being tested has not been tampered with and is the subject's own specimen.

**Positive results based on immunoassays alone are referred to as "presumptive positives".*

Reading Drug Parameter Codes:



Available Drug Parameters and Adulterants

Below is a list of all possible drug parameters and adulterants acronyms available in the Rapid Response® drug screening products listed with VWR, and the drug parameters/adulterants they test for.

Acronym	Drug Parameter Detected	Available Cut-offs (ng/mL)
COC	Cocaine	300 / 20
AMP	Amphetamines	1000 / 50
MET	Methamphetamine	1000 / 50
THC	Marijuana	50 / 40
OPI*	Opiate	2000 / 40
MOP*	Morphine	300
PCP	Phencyclidine	25 / 10
BAR	Barbiturates	300 / 50
BZO	Benzodiazepines	300 / 10
MDMA	Ecstasy	500 / 50
MTD	Methadone	300 / 30
OXY	Oxycodone	100 / 20
BUP	Buprenorphine	10 / 5
FYL	Fentanyl	10
ETG	Ethyl Glucuronide (Alcohol)	500
TCA	Tricyclic Antidepressants	1000

* MOP and OPI refer to the same test that detects opiate class drugs

Acronym	Adulterants Detected	Description
Cre/pH/Oxi	Creatinine	Tests for specimen dilution
	pH	Tests for pH outside the normal range which may indicate the presence acidic or alkaline adulterants
	Oxidants	Tests for the presence of oxidizing reagents (such as bleach)
Cre/SG/pH	Creatinine	Tests for specimen dilution
	Specific Gravity	Tests for specimen dilution and hydration level may indicate the presence acidic or alkaline adulterants
	pH	Tests for pH outside the normal range which may indicate the presence acidic or alkaline adulterants



Test Cup
Sample: Urine

QR Format Available at Request

Key Features

- All in one step
- No leakage
- Less contact with the samples
- No contact with urine (no mess)
- Longer detection window than saliva tests

Time to Result - 5 minutes

Ideal For

- Staffing Companies
- Laboratories
- Construction Companies
- Industrial Companies
- Mining Companies
- CROs



Integrated Test Cup
Sample: Urine

Key Features

- All in one step
- Turn-key integrated into the cup design so you can read results at a time convenient to you
- Longer detection window than saliva tests

Time to Result - 5 minutes

Ideal For

- Pre-employment Screening Companies
- Construction Companies
- Industrial Companies
- Mining Companies
- CROs



Test Cup
Sample: Saliva

Key Features

- No contact with patient/applicant
- Compatible with the **RapidReader App** allowing it to be upload results to ATS/EMR/EMH systems in minutes
- Easy to monitor collection to prevent adulteration

Time to Result - 10 minutes

Ideal For

- Pre-employment Screening Companies
- Construction Companies
- Industrial Companies
- Mining Companies
- CROs



Test Panel
Sample: Urine

Key Features

- Cost-effective
- Compatible with the **RapidReader App** allowing it to be upload results to your ATS/EMR/EHR system in minutes
- Longer detection window than saliva tests

Time to Result - 5 minutes

Ideal For

- Companies looking to integrate automation with existing systems



Key Features

- Compact format makes it easy to transport large numbers of tests
- Easy to interpret results
- Tests for single drug parameters
- Longer detection window than saliva tests

Time to Result - 5 minutes

Ideal For

- Treatment Centers
- Accessory item for centers with existing tests



Test Strip
Sample: Urine



Rapid Response[®] Rapid Reader App

The **RapidReader App** quickly scans, interprets, and uploads the Rapid Response[®] test results integrating seamlessly into existing data management systems; allowing users to automate their reporting process and streamline workflow.

App Highlights

- Generates customizable reports for donors
- Uses AI technology to automatically interpret results
- Ability to connect with existing ATS/EMR/EHR data or patient management systems
- Online video tutorials for user onboarding
- Technical support available at 1-888-339-9964 or support@btnx.com.



Lifetime Digital Log



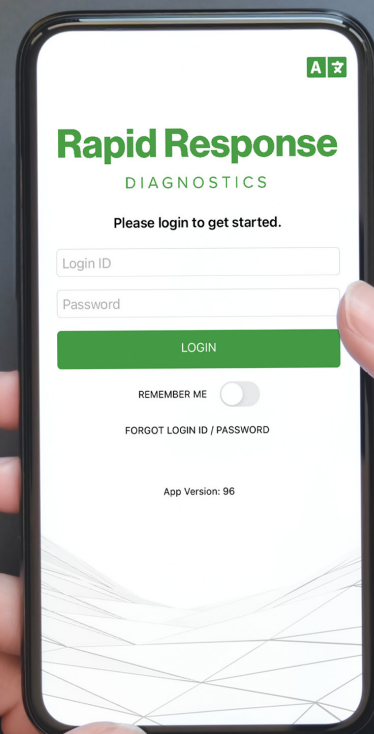
Uploads Results in Seconds



Automates Inventory Management



**Fast.
Reliable.
Accurate.**



Rapid Response®

Featured Products



VWR Cat. No	Supplier No.	Product Name	Drug Parameters	Qty /Kit
* 76473-430	D12.5-1V	12 Drug One Step Cup	AMP1000, BAR300, BUP10, BZO300, COC300 MDMA500, MTD300, MET1000, OPI2000, OXY100 THC50, PCP25	25
76473-426	D12.26-1VA	12 Drug One Step Cup + ADT	AMP1000, BUP10, BZO300, COC300, DDP100, ETG500, FYL10, MDMA500, MET1000, OP300, OXY100, THC50 + Cre/SG/pH	25
76473-406	D10.14-1V	10 Drug One Step Cup	COC300, AMP1000, MET1000, THC50, MTD300, OPI2000, OXY100, PCP25, BAR300, BZO300	25
76473-420	D12.11-1VA	12 Drug One Step Cup + ADT	MOP300, OXY100, BZO300, OPI2000, MET1000, AMP1000, COC300, THC50, MDMA500, BUP10, BAR300, MTD300 + Cre/pH/Oxi	25
76473-452	D5.1-1V	5 Drug One Step Cup	COC300, AMP1000, MET1000, THC50, OPI2000	25
* 76473-408	D10.3.1-2FC1	10 Drug Saliva Test Cup	THC40, COC20, OPI40, AMP50, MET50, BAR50, BZO10, MDMA50, MTD30, PCP10	25
* 76473-446	D5.1.1-2FC1	5 Drug Saliva Test Cup	THC40, COC20, AMP50, MET50, OPI40	25
76473-462	D6.3.1-2FC1	6 Drug Saliva Test Cup	COC20, MET50, PCP10, THC40, OPI40, AMP50	25
76473-428	D12.5.1-2FC1	12 Drug Saliva Test Cup	THC40, COC20, OPI40, AMP50, MET50, BAR50, BZO10, MDMA50, MTD30, PCP10, BUP5, OXY20	25
76473-414	D10.32.1-2FC1	10 Drug Saliva Test Cup	COC20, OPI40, AMP50, MET50, BAR50, BZO10, MDMA50, MTD30, PCP10, OXY20	25
* 76473-410	D10.3-1K	10 Drug Integrated Split Specimen Cup	COC300, AMP1000, MET1000, THC50, OPI2000, PCP25, BAR300, BZO300, MTD300, MDMA500	25
76473-448	D5.1-1G29	5 Drug Integrated Split Specimen Cup	COC300, AMP1000, MET1000, THC50, OPI2000	25
76473-470	ETG-1P9-25	Alcohol (ETG) Test Panel	ETG500	25

* Best Sellers

Rapid Response



Rapid Response[®]

Featured Products



VWR Cat. No	Supplier No.	Product Name	Drug Parameters	Qty /Kit
* 76473-450	D5.1-1P29-25	5 Drug Test Panel	COC300, AMP1000, MET1000, THC50, OPI2000	25
76473-440	D3.4-1P29-25	3 Drug Test Panel	COC300, MET1000, THC50	25
76473-458	D6.1-1P29-25	6 Drug Test Panel	COC300, AMP1000, MET1000, THC50, OPI2000, BZO300	25
76473-404	D10.1-1P29-25	10 Drug Test Panel	COC300, AMP1000, MET1000, THC50, MTD300, OPI2000, PCP25, BAR300, BZO300, TCA1000	25
76473-438	D2.1-1P29-25	2 Drug Test Panel	COC300, THC50	25
* 76473-480	FYL-1S48-100	FYL Single Drug Test Strip	FYL20	100
* 76473-396	BUP-1S5-100	BUP Single Drug Test Strip	BUP10	100
76473-398	COC-1S3-100	COC Single Drug Test Strip	COC300	100
76473-510	THC-1S13-100	THC Single Drug Test Strip	THC50	100
76473-390	6MAM-1S5-50	6MAM Single Drug Test Strip	6-MAM10	50
76473-392	AST-2S50	Alcohol Test Strip	N/A	50
76473-524	RR-1VPN-12.5	Urine Toxicology Control	N/A	1

* Best Sellers

Note:
ADT - Adulteration Test Strip



Rapid Response®

Accessories

Rapid Response® offers a range of products that helps make testing easy. From products like sample collection cups to quality management forms; we offer all the products an individual would require to use our rapid diagnostic tests and more.



Ideal For

- Users of urinalysis products
- Users of drug panel or strip products
- Users of the COVID-19 IgG/IgM Rapid Test Device or other fingerstick blood tests





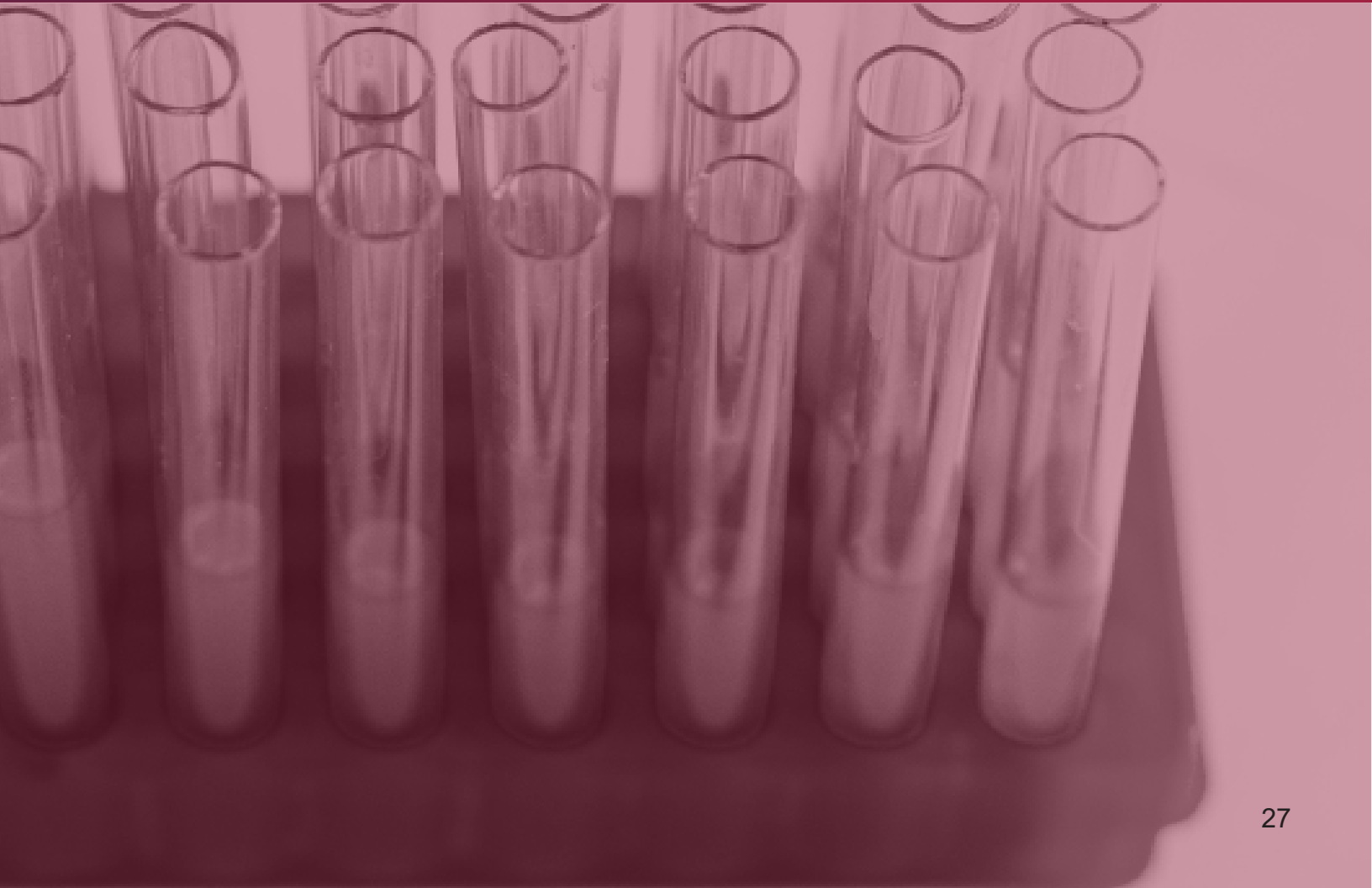
VWR Cat. No	Cat. No.	Product Name	Description	Qty /Kit
76473-504	SLAN-21G-25	Safety Lancet	Whole Blood / Serum / Plasma	25
76473-384	02SPC-14	Plastic Collection Cup	Whole Blood / Serum / Plasma	25



Rapid Response[®]

Cancer Screening

Rapid Response[®] offers a specialized range of Cancer Screening Products including the Fecal Immunochemical Test (FIT). This product range is intended to assist medical professionals in detecting hemoglobin in feces and to aid in the detection of several gastrointestinal disorders.





Rapid Response[®] Fecal Immunochemical Test (FIT)

The **Rapid Response[®] Fecal Immunochemical Test (FIT)** is a rapid, qualitative test for the detection of human occult blood in feces, which may be an early indication gastrointestinal problems such as colorectal cancer, ulcers, polyps or other gastrointestinal problems.

Traditional guaiac-based methods to detect fecal occult blood lack sensitivity and specificity, and also have diet restrictions prior to testing. This test is intended for professional *in vitro* diagnostic use only.

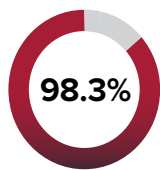
Clinical Evaluations

A study was conducted to evaluate the Rapid Response[®] FIT - Fecal Immunochemical Test and compare results with another commercially available Fecal Occult Rapid Test:

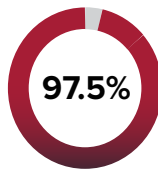
Rapid Response[®] Accuracy

Professional Study - Stool Specimens

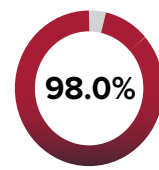
*95% Confidence Interval



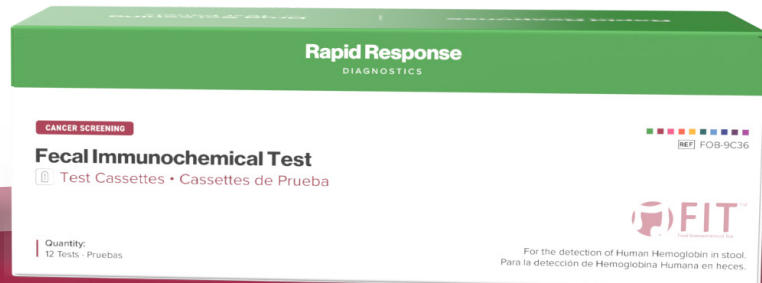
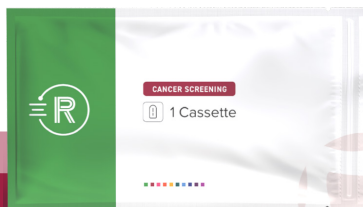
98.3% PPA
95% CI: 91.1%~100%



97.5% NPA
95% CI: 86.8%~99.9%



98.0% Overall Agreement
95% CI: 93.0%~99.8%*



- **VWR Cat. No: 76473-472**
- **Format:** Cassette
- **Result Time:** 5 Minutes
- **Quantity:** 36 Tests / Kit
- **Supplier No:** FOB-9C36
- **Storage:** 35.6 - 86°F / 2 - 30°C
- **Specimen:** Fecal Sample
- **Specificity:** Human Hemoglobin

Rapid Response[®]

Featured Products



VWR Cat. No	Cat. No.	Product Name	Specimen	Qty /Kit
76473-472	FOB-9C36	Fecal Immunochemical Test (FIT) Cassette	Fecal Sample	36
76473-474	FOB-9V-Ctrl	Fecal Immunochemical Test (FIT) + / - Control Solutions	N/A	1 Pair



Rapid Response

DIAGNOSTICS



avantor[™]
delivered by **VWR**[™]



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