

MILLIPORE
SIGMA

HARLECO® Dyes & Stains

Microscopy products to support your success



The life science business of Merck KGaA,
Darmstadt, Germany operates as
MilliporeSigma in the U.S. and Canada.

VWR®
We Enable Science





FOR OVER
90 years,

HARLECO® brand dyes and stains have offered our customers outstanding contrast, color, and clarity in their sample specimens. HARLECO® stain solutions offer not only the classical formulations, but also many new and improved modifications developed from years of experience. We use Certified Biological Stains and cGMP manufacturing for all HARLECO® products to provide you with the highest quality stain solutions. In addition, we offer a MIDAS® III Automated Stainer and a complete line of products for sample preparation.

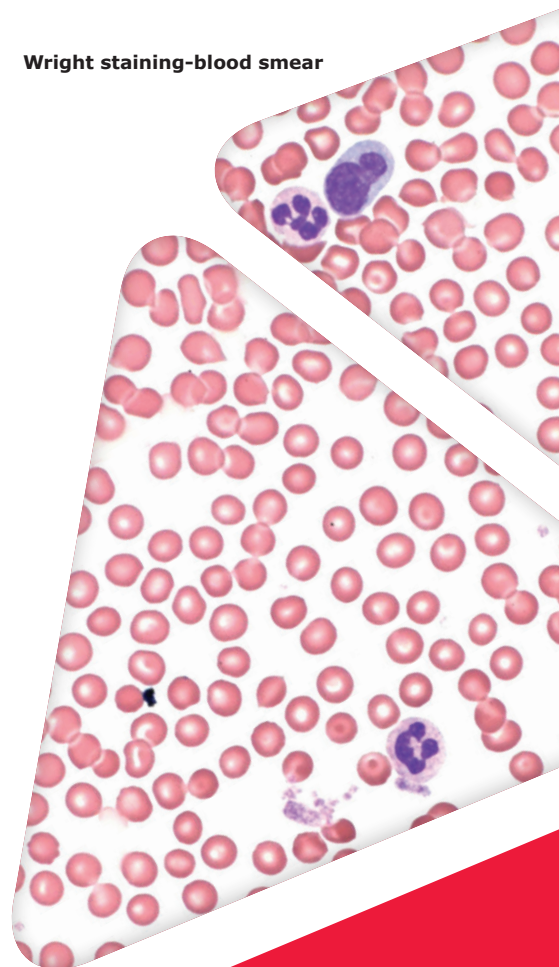
Hematology

Reagents to identify diseases of the blood and blood forming organs

The HARLECO® product line offers ready to use staining solutions for blood and bone marrow samples that yield intense and reproducible results. Reproducibility can be enhanced by the use of phosphate buffer solution, which stabilizes diluted staining solutions. We offer buffers with different pH levels, so that you may obtain optimal staining results. For higher slide staining throughput or for preparing urgent lab samples, Hemacolor®, the fast staining kit, can give very clean results in less than one minute.

Product	Size	VWR Cat. No.
HARLECO® Giemsa Stain Solution, Azure B	500 mL	15204-142
HARLECO® Giemsa Stain Solution, Modified Azure Blend	1 L	15204-146
HARLECO® Giemsa Stain Solution, Original Azure Blend	1 L	15204-144
Giemsa Stain Solution	500 mL	EM-R03055-74
	1 L	EM-R03055-76
	4 L	EM-R03055-82
HARLECO® Jenner Stain Solution	1 L	34172-038
HARLECO® May-Grunwald Solution	1 L	15204-200
	4 L	15204-292
HARLECO® Wright Stain Solution	1 L	15204-228
	4 L	15204-230
	10 L	15204-224
HARLECO® Wright Giemsa Solution, APHA	1 L	15204-232
	10 L	15204-226
HARLECO® Wright Giemsa Solution, Fucillo	500 mL	34172-051
	1 L	15204-158
	4 L	15204-159
HARLECO® Wright Giemsa Stain Pack	1 PC	34172-110
HARLECO® Wright Stain Pack	1 PC	34172-112
Leishman Stain Solution	1 L	EM-R03087-76
HARLECO® Hemacolor® Stain Set	1 PAC	15204-176
HARLECO® Hemacolor® Solution I	4 L	15204-170
HARLECO® Hemacolor® Solution II	4 L	15204-172
HARLECO® Hemacolor® Solution III	4 L	15204-174
HARLECO® Buffer, Phosphate pH 6.4	1 L	34171-012
	4 L	34171-000
HARLECO® Buffer, Phosphate pH 6.8	1 L	34171-002
	4 L	11214-838
HARLECO® Buffer, Phosphate pH 7.0	1 L	11214-850
	4 L	11214-852

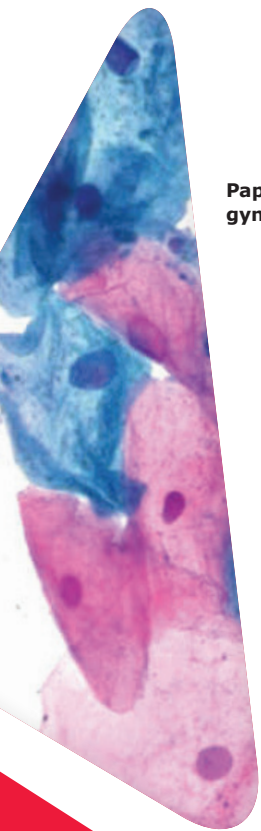
Wright staining-blood smear



Cytology

Reagents for brilliant and highly reproducible sensitive results

To stain gynecological and clinical specimens, use standard Papanicolaou sample staining with hematoxylin Gill's solution. In addition, you can rely on our high quality alcohol and the xylene substitute, Neo-Clear®, to further improve your results.



**Papanicolaou stain –
gynecological sample**

Product	Size	VWR Cat. No.
HARLECO® Hematoxylin, Gill I	4 L	15204-178
HARLECO® Hematoxylin, Gill II	4 L	15204-180
HARLECO® Hematoxylin, Gill III	4 L	15204-182
HARLECO® Hematoxylin, Harris Alum, Hg Free	500 mL 4 L	15204-150 15204-152
HARLECO® EA Solution, Gill (with Eosin and Light Green)	4 L	15204-184
HARLECO® Orange G Solution, Gill	4 L	15204-186
HARLECO® Papanicolaou, OG-6	1 L 4 L 10 L	15204-208 15204-206 15204-276
HARLECO® Papanicolaou, EA-65	4 L 10 L	15204-210 34172-058
HARLECO® Papanicolaou, EA-36	1 L 4 L	15204-270 15204-212
HARLECO® Papanicolaou, EA-50	1 L 4 L	10143-158 15204-216
HARLECO® Blueing Reagent	4 L	34172-018
HARLECO® Acid Alcohol, 70% (3% HCl)	1 L	15204-266
HARLECO® Alcohol, 100%	4 L	34172-020
HARLECO® Alcohol, 95%	4 L	34172-022
HARLECO® Alcohol, 70%	4 L	65350-85
Neo-Clear® Xylene Substitute	4 L	89370-090

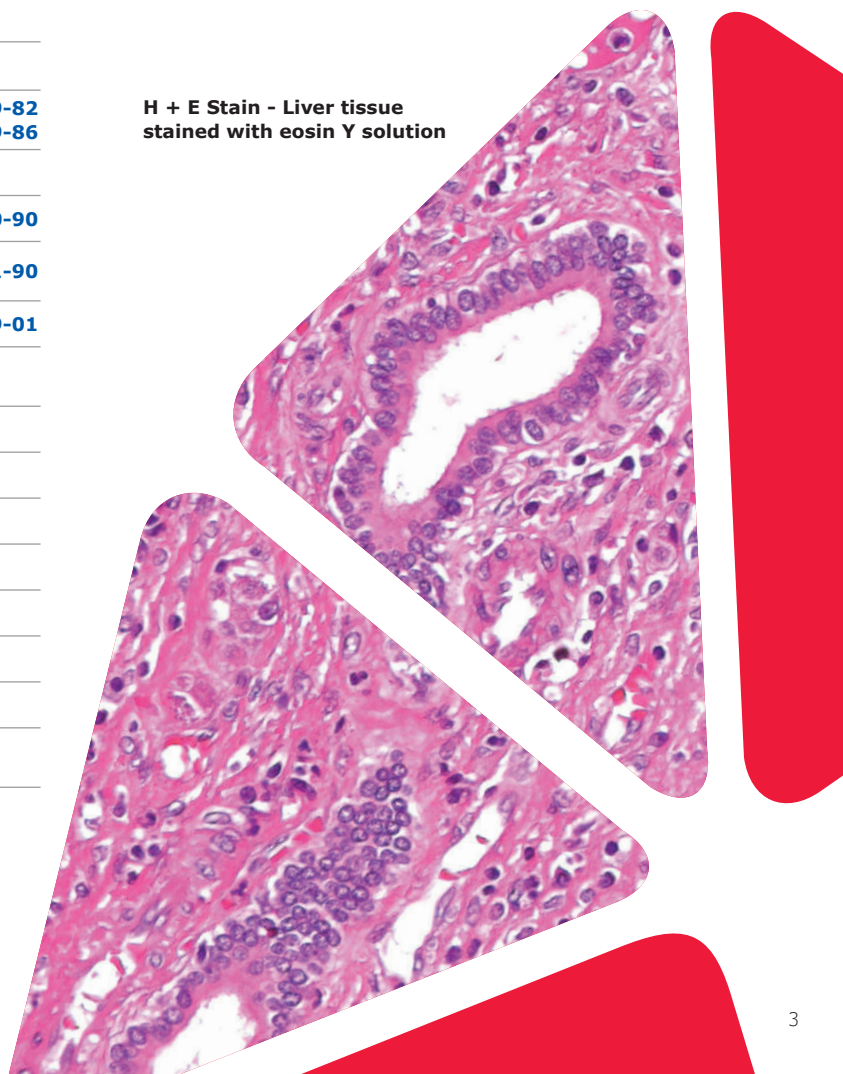
Histology

Reagents for brilliant and stable results from the first to the last step in the process

Precise specimen preparation is a necessity to get good slides for diagnostic work. We offer all of the products needed for preparing histology samples, including top quality fixing media and high purity solvents. The HARLECO® stain results are color stable, reproducible and offer sufficient sensitivity to reveal all structural details.

Product	Size	VWR Cat. No
HARLECO® Eosin Y Solution, Alcoholic Saturated	1 L	15204-130
HARLECO® Eosin Y Solution, Aqueous, 1% PDC	1 L	34172-104
HARLECO® Eosin Y Solution, Aqueous, 1% PDC	1 L	15204-258
Eosin Stain Solution, 5%	500 mL	EM-R03040-74
HARLECO® Schiff Reagent	500 mL	34172-066
HARLECO® Schiff Reagent, Hotchkiss/McManus	500 mL	15204-138
HARLECO® Gomori Trichrome	500 mL	15204-278
Formalin 10% W/V, Neutral Buffered	1 L	EM-R04586-76
	4 L	EM-R04586-82
	20 L	EM-R04586-86
	200 L	EM-R04586-90
HARLECO® Formalin, Neutral Buffered 10%	4 L	34172-118
	20 L	34172-120
Formalin 10%, Neutral Buffered	4 L	
Formalin Neutral 10%, Carbonate Buffered	4 L	EM-R03379-82
	20 L	EM-R03379-86
HARLECO® Formalin, Carsons	20 L	15204-198
SAF Fixative (Acetate Buffered Formalin)	200 L	EM-R04650-90
SAF Fixative with Triton (Acetate Buffered Formalin)	200 L	EM-R04561-90
Formaldehyde Kit Concentrates to make NBF	1 PC	EM-R04669-01
HARLECO® Bouin Fixation Fluid	4 L	15204-240
	20 L	15204-295
HARLECO® Fixative, Haptas	500 mL	15204-244
HARLECO® Blueing Reagent	4 L	34172-018
Mollifex™ Tissue Softener	500 mL	34172-108
HARLECO® Acid Alcohol, 70% (3% HCl)	1 L	15204-266
HARLECO® Alcohol, 100%	4 L	34172-020
HARLECO® Alcohol, 95%	4 L	34172-022
HARLECO® Alcohol, 70%	4 L	34172-000
HARLECO® Krystalon™ Mounting Medium	300 mL	34172-104
	500 mL	34172-034

H + E Stain - Liver tissue stained with eosin Y solution

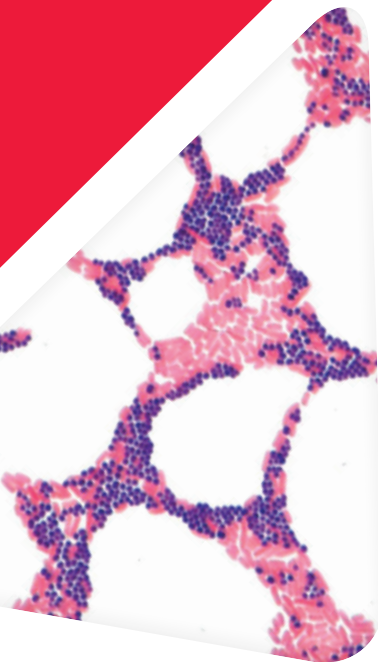


Microbiology

Reagents for standard stains and reliable results with manual or automated staining

HARLECO® bacteriological standard stains for Gram and TB detection offer easy application and reproducible, stable results. The staining solutions can be used for manual as well as for automated staining procedures in the Midas® III automated stainer.

Product	Size	VWR Cat. No.
HARLECO® Gram Staining Set, 4 x 500 mL	1 PAC	15204-196
HARLECO® Crystal Violet, Gram Solution	1 PAC 4 L	15204-189 15204-288
HARLECO® Safranin Solution, Gram	1 PAC 4 L	15204-191 15204-286
HARLECO® Iodine Solution, Gram (Stabilized)	1 PAC 4 L	15204-193 15204-284
HARLECO® Decolorizer, Gram Solution	1 PAC 4 L	15204-195 15204-282
HARLECO® Iodine Lugol's	500 mL	15204-148
Safranin Solution, 1%	500 mL	EM-R03131-74
HARLECO® Fuchsin, Basic Solution	1 L	15204-260
HARLECO® Fuchsin, Carbol Solution, Ziehl-Neelson	1 L	15204-136
HARLECO® Fuchsin, Carbol Solution, Kinyoun	1 L	15204-262
Methylene Blue Stain Solution, Loeffler's	500 mL	EM-R03101-74
HARLECO® Methylene Blue, Loeffler's	1 L	15204-202
Nigrosine Solution, Aqueous	100 mL	EM-R03418-70
Lactophenol Solution	500 mL	EM-R03266-74
Lactophenol, Cotton Blue	100 mL	EM-R03465-70



Gram-color staining
Gram-positive coccus

Midas® III Automated Slide Stainer

The Midas® III Automated Stainer is designed to work with HARLECO® stains and is flexible enough to adapt to your current staining protocols. With a small footprint to allow use on the smallest benchtops, the Midas® III Automated Stainer yields staining results that are more reproducible than manual staining.

The six station unit holds either 20 or 30 slides. Up to 10 programs may be introduced, with each program comprised of as many as 29 steps. Save up to 50% on stain consumption as compared versus flood or spray techniques.



Product	Size	VWR Cat. No.
Midas® III Stainer	1 PC	15204-300
20 position slide carrier – each	1 PC	25445-040
30 position slide carrier – each	1 PC	EM64052E-94
Water Bath – each	1 PC	25445-014
Water Bath Filters – Package of two	1 PC	25445-016
Vessels & Lids – White – Package of Eight	1 PC	25445-048
Operators Manual	1 PC	25445-012
Service Manual	1 PC	EM-64000SM-94
Multi-terge™ detergent	4 L	34171-010
HARLECO® Water, distilled ASTM type II	4 L	34172-074
	20 L	34172-073

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