

Sigma-Aldrich®
Lab Materials & Supplies

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.

**MILLIPORE
SIGMA**



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.

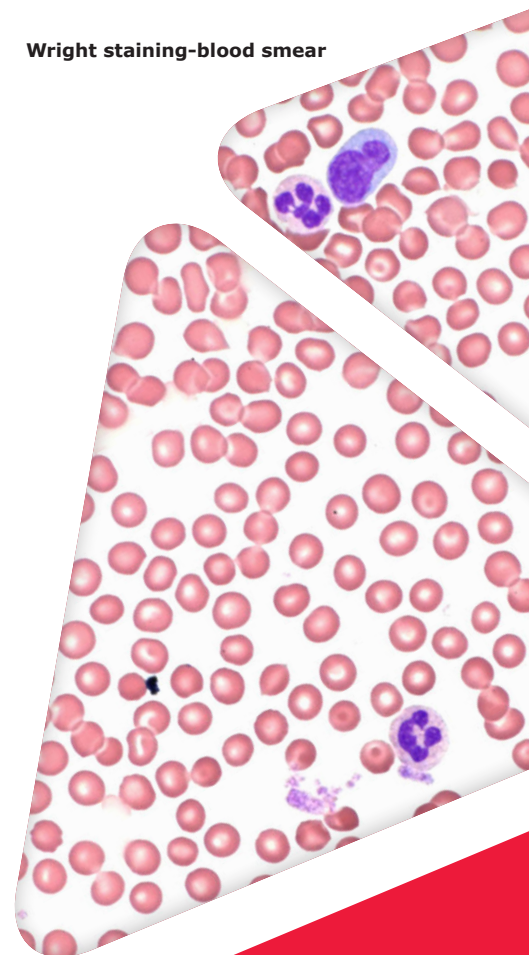
Hematology

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	Catalog No.
HARLECO® Giemsa Stain Solution, Azure B	500 mL	619-71
HARLECO® Giemsa Stain Solution, Modified Azure Blend	1 L	620-75
HARLECO® Giemsa Stain Solution, Original Azure Blend	1 L	620G-75
Giemsa Stain Solution	500 mL	R03055-74
	1 L	R03055-76
	4 L	R03055-82
HARLECO® Jenner Stain Solution	1 L	642-75
HARLECO® May-Grunwald Solution	1 L	660-75
	4 L	660-85
HARLECO® Wright Stain Solution	1 L	740-75
	4 L	740-85
	10 L	740-86
HARLECO® Wright Giemsa Solution, APHA	1 L	742-75
	10 L	742-86
HARLECO® Wright Giemsa Solution, Fucillo	500 mL	64571-95
	1 L	64571-75
	4 L	64571-85
HARLECO® Wright Giemsa Stain Pack	1 PC	65042-93
HARLECO® Wright Stain Pack	1 PC	65043-93
Leishman Stain Solution	1 L	R03087-76
HARLECO® Hemacolor® Stain Set	1 PAC	65044-93
HARLECO® Hemacolor® Solution I	4 L	65044A-85
HARLECO® Hemacolor® Solution II	4 L	65044B-85
HARLECO® Hemacolor® Solution III	4 L	5044C-85
HARLECO® Buffer, Phosphate pH 6.4	1 L	1217-75
	4 L	1217-85
HARLECO® Buffer, Phosphate pH 6.8	1 L	1218-75
	4 L	1218-85
HARLECO® Buffer, Phosphate pH 7.0	1 L	1219-75
	4 L	1219-85

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.

Product	Size	Catalog No.
HARLECO® Hematoxylin, Gill I	4 L	65065-85
HARLECO® Hematoxylin, Gill II	4 L	65066-85
HARLECO® Hematoxylin, Gill III	4 L	65067-85
HARLECO® Hematoxylin, Harris Alum, Hg Free	500 mL 4 L	638A-71 638A-85
HARLECO® EA Solution, Gill (with Eosin and Light Green)	4 L	65068-85
HARLECO® Orange G Solution, Gill	4 L	65069-85
HARLECO® Papanicolaou, OG-6	1 L 4 L 10 L	7052X-75 7052X-85 7052X-86
HARLECO® Papanicolaou, EA-65	4 L 10 L	7054X-85 7054X-86
HARLECO® Papanicolaou, EA-36	1 L 4 L	7058X-75 7058X-85
HARLECO® Papanicolaou, EA-50	1 L 4 L	7062X-75 7062X-85
HARLECO® Blueing Reagent	4 L	65354-85
HARLECO® Acid Alcohol, 70% (3% HCl)	1 L	752X-75
HARLECO® Acid Alcohol, 95% (5% HCl)	1 L	753X-75
HARLECO® Alcohol, 100%	4 L	65347-85
HARLECO® Alcohol, 95%	4 L	65348-85
HARLECO® Alcohol, 80%	4L	65349-85
HARLECO® Alcohol, 70%	4 L	65350-85
Neo-Clear® Xylene Substitute	4 L	65351-85

Papanicolaou stain – gynecological sample

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	Catalog No.
HARLECO® Eosin Y Solution, Alcoholic Saturated	1 L	586X-7
HARLECO® Eosin Y Solution, Aqueous, 1% PDC	1 L	588X-75
HARLECO® Eosin Y Solution, Aqueous, 1% PDC	1 L	592-75
Eosin Stain Solution, 5%	500 mL	R03040-74
HARLECO® Schiff Reagent	500 mL	2818-71
HARLECO® Schiff Reagent, Hotchkiss/McManus	500 mL	6073-71
HARLECO® Gomori Trichrome	500 mL	623-71
Formalin 10% W/V, Neutral Buffered	1 L	R04586-76
	4 L	R04586-82
	20 L	R045-86
	200 L	R04586-90
HARLECO® Formalin, Neutral Buffered 10%	4 L	65346-85
	20 L	65346-88
Formalin 10%, Neutral Buffered	4 L	R04586B-82
Formalin 20%, Phosphate Buffered	1 CV	R4587-01
	20 L	R4587-86
Formalin 10%, Acetate Buffered	20 L	R04588-86
Formalin Neutral 10%, Carbonate Buffered	4 L 20 L	R03379-82 R03379-86
HARLECO® Formalin, Carsons	20 L	65115-88
SAF Fixative (Acetate Buffered Formalin)	200 L	R04650-90
SAF Fixative with Triton (Acetate Buffered Formalin)	200 L	R04561-90
Formaldehyde Kit Concentrates to make NBF	1 PC	R04669-01
HARLECO® Bouin Fixation Fluid	4 L	7831-85
	20 L	7831-88
HARLECO® Fixative, Haptas	500 mL	785-71
Albumin-Glycerol Fixative	100 mL	R03203-70
	500 mL	R03203-74
HARLECO® Blueing Reagent	4 L	65354-85
Mollifex™ Tissue Softener	500 mL	65039-71
HARLECO® Acid Alcohol, 70% (3% HCl)	1 L	752X-75
HARLECO® Acid Alcohol, 95% (5% HCl)	1 L	753X-75
HARLECO® Alcohol, 100%	4 L	65347-85
HARLECO® Alcohol, 95%	4 L	65348-85

Product	Size	Catalog No.
HARLECO® Alcohol, 80%	4 L	65349-85
HARLECO® Alcohol, 70%	4 L	65350-85
Neo-Clear® Xylene Substitute	4 L	65351-85
HARLECO® Krystalon™ Mounting Medium	300 mL	64969-95
	500 mL	64969-71

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	Catalog No.
HARLECO® Gram Staining Set, 4 x 500 mL	1 PAC	65092-93
HARLECO® Crystal Violet, Gram Solution	1 PAC 4 L	65092A-95 65092A-85
HARLECO® Safranin Solution, Gram	1 PAC 4 L	65092B-95 65092B-85
HARLECO® Iodine Solution, Gram (Stabilized)	1 PAC 4 L	65092D-95 65092D-85
HARLECO® Decolorizer, Gram Solution	1 PAC 4 L	65092E-95 65092E-85
HARLECO® Iodine Lugol's	500 mL	624-71
Safranin Solution, 1%	500 mL	R03131-74
HARLECO® Fuchsin, Basic Solution	1 L	6039X-75
HARLECO® Fuchsin, Carbol Solution, Ziehl-Neelson	1 L	6051X-75
HARLECO® Fuchsin, Carbol Solution, Kinyoun	1 L	6033X-75
Methylene Blue Stain Solution, Loeffler's	500 mL	R03101-74
HARLECO® Methylene Blue, Loeffler's	1 L	687X-75
Nigrosine Solution, Aqueous	100 mL	R03418-70
Lactophenol Solution	500 mL	R03266-74
Lactophenol, Cotton Blue	100 mL	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	Catalog No.
Midas® III Stainer	1 PC	64000H-94
20 position slide carrier – each	1 PC	64052-94
30 position slide carrier – each	1 PC	64052E-94
Water Bath – each	1 PC	64000WB-94
Water Bath Filters – Package of two	1 PC	64000WBF-95
Vessels & Lids – White – Package of Eight	1 PC	64054W-95
Operators Manual	1 PC	64000OP-94
Service Manual	1 PC	64000SM-94
Multi-terge™ detergent	4 L	65058-85
HARLECO® Water, distilled ASTM type II	4 L 20 L	6442-88 6442-88



Midas® III Automated Slide Stainer

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