

# PRO-CLEAR™

### INTENDED USE

PRO-CLEAR<sup>™</sup> was developed as a xylene substitute in the Wheatley's Trichrome Stain procedure. PRO-CLEAR can also be used to replace ethyl-acetate in the formalin ethyl-acetate concentration procedure or in the CONSED<sup>®</sup> Concentration procedure.

### SUMMARY

Studies by Neimeister and Gubash have found a d-limonene based clearing agent to be an excellent replacement for xylene in staining techniques and as an ethyl-acetate replacement in concentration procedures.

# FOR IN VITRO DIAGNOSTIC USE ONLY

## PRECAUTIONS

- 1. PRO-CLEAR can cause eye and skin irritation. Follow good laboratory practices.
- 2. Store away from heat, sparks and open flames.

# STABILITY AND STORAGE

PRO-CLEAR is stable for 24 months from the date of manufacture. Store at 15-30°C. Keep away from heat and flames.

#### USER QUALITY CONTROL

Each bottle of PRO-CLEAR should be clear and free of precipitates

### SPECIMEN COLLECTION AND PREPARATION

Refer to Collection/Transport Sets Directions For Use, supplied with the products or available on request.

### PROCEDURE

Materials Provided: PRO-CLEAR

Materials Not Provided: Ethanols, microscope slides, fixative and stain of choice.

# **Method of Staining**

Stain according to the procedure described by the manufacturer of the stain or consult appropriate reference.

#### LIMITATIONS OF PROCEDURES

- 1. Evaporation of the PRO-CLEAR is necessary. Slides processed with PRO-CLEAR may require a longer drying time than those processed with Carbol-xylene and xylene (approx. 30 min).
- 2. Some carryover of decolorizing or staining solutions into the following step will occur. Lack of contrast results from carryover of decolorizer to the ethanol steps or failure to monitor the slide during decolorization. Staining over 30-50 smears daily will dilute and weaken the staining properties of the stain. **RESULTS:** Smears lack contrast or are too green in color. Smears may appear cloudy (caused by incomplete penetration of PRO-CLEAR). Change all solutions regularly to avoid problems.

#### BIBLIOGRAPHY

- Gubash, S.M., and L. Milburn. 1990. Use the Terpene-based Products, with and without Anhydrous Alcohol as Clearing Agents in Trichrome Staining Technique for Intestinal Protozoa. J. CLIN. MICRO. 8:610-611.
- Neimeister, R., A. L. Logan, and J.H. Egleton. 1985. Modified Trichrome Staining Technique With Xylene Substitute. J. CLIN. MICRO. 22:306-307.
- 3. Wheatley, W. 1951. A Rapid Staining Procedure for Intestinal Amoeba and Flagellates. AM JOUR. CLIN PATHOL. 21:990-991.

# CONTACT

CalibreScientific US, Inc. offers a complete line of reagents, stains, and QC1<sup>™</sup> Quality Control Slides for AFB, Parasitology, Bacteriology, and Mycology processing, as well as O&P collection systems and concentration devices for Parasitology. For Technical Assistance, email <u>Technical@AlphaTecSystems.com</u>, and for Customer Service, email <u>Sales@AlphaTecSystems.com</u>, or call either [+1] 800.221.6058 (USA) or [+1] 360.260.2779 between 8AM and 4PM Monday through Friday, Pacific Time.

## WARRANTY

This product is warranted by CalibreScientific US, Inc. to perform as described in the labeling and literature supplied. CalibreScientific US, Inc. disclaims any implied warranty or merchantability or fitness for any other purpose, and in no event shall CalibreScientific US, Inc. be liable for any consequential damages arising out of aforesaid express warranty.

#### TRADEMARKS:

CONSED<sup>®</sup>, PRO-CLEAR<sup>™</sup> and QC1<sup>™</sup>are trademarks of CalibreScientific AMER IP LLC., 6201 Trust Dr, Holland, OH 43528.

#### PRODUCT CODES

0003336 PRO-CLEAR, 1 x 1 L



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### **GLOSSARY OF SYMBOLS**

- LOT Batch code / Numéro de lot / Número de Lote / Numero di lotto / Lot Nummer / Lotnummer / Lotnummer / Šaržna številka / Número de lote
- REF Catalog number / Référence du catalogue / Número de catálogo / Numero di catalogo / Katalognummer / Catalog nummer / Het aantal van de catalogus / Kataloška številka / Número de catálogo
- IN vitro diagnostic medical device / Pour usage diagnostique in vitro / Para uso diagnóstico in vitro solamente / Solo per uso diagnostico in vitro / Nur zur Verwendung als in vitro-Diagnostikum / Alleen voor in vitro diagnostisch gebruik / För invitrodiagnostik enbart / Samo za invitro diagnostiko / Apenas para uso em diagnóstico in vitro
- **EC REP** Authorized representative in the European Community / Représentant européen autorisé / Representante Europeo Autorizado / Rappresentante europeo autorizzato / Autorisierter Europäischer Repräsentant / Germachtigde Europese vertegenwoordiger / Auktoriserad europeisk representant / Pooblaščen evropski predstavnik / Representante Europeu Autorizado
  - Use-by date / Utiliser avant la date de péremption indiquée / Use antes de la fecha indicada / Utilizzare entro la data indicata / Bis zum angegebenen datum verbrauchen / Gebruik door vermelde datum / Använd innan angivet datum / Porabiti do navadenega datuma / Usar até à data indicada
  - Manufacturer / Fabricant / Fabricante / Produttore / Hersteller / Fabrikant / Fabrikant / Proizvajalec / Fabricante
  - Caution / Attention / Cuidado / Attenzione / Achtung / Voorzichtig / laktag försiktighet / Previdno / Atenção
  - Temperature limit / Conserver aux températures indiquées / Almacene entre las temperaturas indicadas / Conservare a temperature comprese fra quelle indicate / Im angegebenen temperaturbereich aufbewahren / Opslaan bij een temperatur tussen / Förvara mellan angivna temperaturer / Shranjevati med navedenimi temperaturami / Armazene entre as temperaturas indicadas
  - Contains sufficient for <n> tests / Contenu suffisant pour <n> tests / Contiene suficiente para <n> pruebas / Contenuto sufficiente per <n> tests / Enthält ausreichend für <n> untersuchungen / Inhoud voldoende voor <n> testen / Innehåller tillräckligt för <n> tester / Vsebina zadostuje za <n> testov / Contém quantidade suficiente para <n> testes
  - Consult instructions for use / Consulter la notice d'utilisation / Consulte las instrucciones para el uso / Consultare le istruzioni per l'uso / Bitte beachten Sie die Anwendungsvorschriften / Raadpleeg instructies voor gebruik / Konsultera bruksanvisningen innan användning / Glej navodila za uporabo / Consulte instruções para o uso
  - Do not reuse / Ne pas réutiliser / No reutilizar / Non riutilizzare / Nicht wiederverwenden / Niet hergebruiken / Återanvänd inte / Ne uporabljajte znova / Não reutilize