

Materials List for:

# Magnetic Stirrer Method for the Detection of *Trichinella* Larvae in Muscle Samples

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## Materials

Name	Company	Catalog Number	Comments
Knife, Scissors, Tweezers			Cutting samples and removing non-digestible tissue
Blender			With a sharp chopping blade
Magnetic stirrer			With thermostatically controlled heating plate
Stirring Rod			Teflon-coated, approximately 5 cm long
Conical glass separation funnel			Capacity of at least 2 L, preferably fitted with Teflon safety plugs. The width should not be larger than 55% of the length to allow a good larva sedimentation.
Stands, rings and clamps			
Sieve			Mesh size 180 microns, external diameter 11 cm, with stainless steel mesh
Funnel			Internal diameter not less than 12 cm, to support the sieves
Glass beaker			Capacity 3 L
Glass measuring cylinder			Capacity 50 to 100 mL, or centrifuge tube
Stereo-microscope			With a substage transmitted light source of adjustable intensity or trichinoscope with a horizontal table
Petri dishes			9 cm diameter, marked on their undersides into 10 × 10 mm square examination areas using a pointed instrument or a larval counting basin for the trichinoscope
Aluminium foil			Alternatively a lid to cover the beakers
25% hydrochloric acid			
Pepsin			Strength: 1:10,000 NF (US National Formulary) corresponding to 1:12,500 BP (British Pharmacopoeia) and to 2,000 FIP (Fédération internationale de pharmacie), or stabilised liquid pepsin with minimum 660 European Pharmacopoeia units/mL
Ethanol			70-90% ethyl alcohol

Tap water			Heated to 46-48 °C before use
Balance			Accurate to at least 0.1 g
Metal tray			Capacity 10 to 15 L, to collect the remaining digestive juice
Pipettes and pipette holder			Different sizes (1, 10 and 25 mL)
Thermometer			Accurate to 0.5 °C, temperature range at least from 20 °C to 70 °C
Siphon			For tap water