15 February 2012 Draft 2
DISPENSING
Before dispensing liquid nitrogen ensure you have the appropriate personal protective equipment,
correct fittings and hose, receiving dewar, and ensure you are in a well-ventilated area. Place the
transfer hose into your receiving dewar, stand back and slowly open the liquid valve. Proceed slowly to
avoid splashing. Do not fill the container more than 80% of capacity. Close the liquid valve when
finished and never leave a filling process unattended.
Always use an intermediate-sized dewar (at least 5 litres) when dispensing directly from the cryogenic
liquid cylinder. Small, bench-top containers should only be filled from an intermediate dewar and never
directly from the cylinder to avoid splashing.

TRANSPORT
Liquid nitrogen must be stored, handled and transported in an upright position. Do not roll, drag or
drop containers .Use an appropriate cart to transport dewars and larger containers. Dewars should be
covered with a loose fitting cap to prevent air and moisture from entering and allow for pressure
release. If you need to move a dewar between floors do not travel with it in the elevator or allow
anyone else to be present in the elevator. Instead use a buddy system, signage, elevator lock-out key, or
other appropriate means to transport and receive the dewar from an elevator.

MEDICAL EMERGENCY
• If skin comes in contact with liquid nitrogen flush the affected part of the body under warm
water; never use dry heat and do not rub the frozen body part. Remove any clothing that is not
frozen to the skin and proceed with flushing the skin with warm water.
• If the person becomes dizzy or disoriented while working with liquid nitrogen, move to fresh air
immediately.
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-0.nd CamvTj
EMCTj
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-0.001 Tc 0.003 Tw 1r