

Dräger Babyleo® TN500

Care for preemies like never before

Requirements for incubators have dramatically changed over the years. Neuro-supportive and age-appropriate care that meets NICU guidelines and best practices helps ensure positive long-term outcomes.



Babyleo is a state-of-the-art hybrid incubator that has three synchronized heat sources, supports family integration efforts, and provides a protective environment for preemies and newborns who need specialized care.

Temperature Stabilizing

Automatically keeps baby in the thermo-neutral zone from birth to open crib

Neuro-supportive

Promotes growth and development efforts

Family Centered

Supports autonomy and family integration with Family View and Kangaroo Mode

Infection Prevention

Has minimal parts and closed-loop humidification system to eliminate reservoir where germs can grow

- ✓ Works automatically to keep baby in thermoneutral zone at top and three synchronized heat sources second
- ✓ Enabling ClearView helps reduce condensation
- ✓ <20 min Warm Up mode enables quick preparation
- ✓ Humidity can be set up to 99%
- ✓ Quietly operates at 40db – well below AAP guidelines
- ✓ Lowest height setting and Kangaroo Mode support family care programs
- ✓ Cooling, Rewarming and Weaning modes

NICU QUALITY INITIATIVES	HOW BABYLEO SUPPORTS YOUR EFFORTS
Improve Safety	<p>Ensuring patient safety is the crux of neonatal care. Preventing infection is essential for protecting patients, reducing infection rates, decreasing length of stay, and reducing overall cost of care in the NICU. Babyleo was designed to prevent rather than control infection and has not been subject to safety recalls.</p> <ul style="list-style-type: none"> • Babyleo's closed-loop humidification system eliminates risk of germs that can cause infection • Auto Cleaning mode sterilizes compartment before disassembly • Smooth surfaces and minimal parts make cleaning easy and effective • Easy to disassemble and assemble for thorough cleaning

NICU QUALITY INITIATIVES	HOW BABYLEO SUPPORTS YOUR EFFORTS
<p>Neuroprotective Care</p>	<p>Providing a neuroprotective environment in the NICU is critical to outcomes. Studies show that integrating families, promoting kangaroo care, reducing noise, and promoting positive sound stimulation and cyclical light can:</p> <ul style="list-style-type: none"> • Help babies develop better sleep patterns • Increase head circumference and weight at discharge • Reduce nosocomial infections • Reduce chronic lung disease • Reduce potential growth failure • Reduce co-morbidities <p>A protective environment allows the baby to use calories for growth. Babyleo features that support your neuroprotective goals include:</p> <ul style="list-style-type: none"> • Cooling Mode supports HIS protocols by turning off heat sources and allowing full function of Babyleo's screen and monitoring during therapeutic cooling for babies who need a quiet environment without a heat source. (e.g., neonatal abstinence syndrome) • Rewarming Mode supports HIE protocols and can help clinicians safely rewarm babies with hypothermia and after cooling therapy • The unique, extremely low operating noise level (40db), with an integrated sound and light monitoring system align with recommended NICU guidelines and best practices • Sound and light monitoring and ambient lighting provide cyclical light exposure to reduce stress, improve sleep, release baby's growth hormone, and encourage development of the circadian rhythm • Kangaroo mode continually monitors baby's temperature while eliminating annoying alarms; the timer counts up so parents and staff can track tolerance and milestones – promoting autonomy for parents and decreasing staff time dealing with nuisance alarms • Smooth operation eliminates jarring movements when adjusting mattress, adjusting height, or transporting. (<i>Uncontrolled movements can increase intracranial pressure and increase risk of IVH in preemies</i>)
<p>Family Centered Care</p>	<p>Family integration is the framework for ensuring that all aspects of developmental care and the care environment are focused on family needs. Successful family integration can:</p> <ul style="list-style-type: none"> • Foster continued parental presence, confidence, and parent-infant interaction, pre- and post-discharge • Lead to more successful discharges and decreased length of stay • Reduce pain and stress • Reduce risk of late onset sepsis • Improve cardiovascular stability and sleep with improved, exclusive breast feeding • Improve parental confidence, interaction and bonding – which can lead to decreased length of stay, lower readmission rates, and improved neurodevelopmental outcomes <p>Babyleo supports family centered care by providing kangaroo care and promoting family autonomy to bring families closer together.</p> <ul style="list-style-type: none"> • A personalized Family View feature and Kangaroo mode bring parents closer to the care process, improving overall outcome and CAHPS scores • Unique, safely integrated audio function allows parents to play music or a recording of the mother's heartbeat or voice, adding positive stimuli into the infant's environment • Low device settings position the baby at the same level as the mother – whether she's in a bed, a chair or other positions

NICU QUALITY INITIATIVES	HOW BABYLEO SUPPORTS YOUR EFFORTS
<p>Workflow Efficiency and Staff Satisfaction</p>	<p>Reducing nuisance alarms and providing patient-driven care has been found to decrease clinical workloads, improve efficiency, and increase overall staff satisfaction. In addition to posing risks to the baby, noise affects people caring for the baby. A high noise level is associated with a higher rate of errors and accidents, as well as a generally lower standard of performance. Therefore, a low noise level is not only directly beneficial for a baby's development, but also indirectly beneficial in that it increases a caregiver's ability to concentrate and deliver the best care possible.</p> <ul style="list-style-type: none"> • Monitoring light and sound can help NICUs manage these levels more effectively – benefitting patients and staff • Reducing variation and standardizing (e.g., alarm management auto modes such as weaning) could reduce work stress, improve workflow and staff satisfaction <p>Babyleo's ergonomic design provides easy access to the baby and all necessary tools to provide the best care, including:</p> <ul style="list-style-type: none"> • Sound and light monitoring – helps caregivers manage levels when they are too high • Ambient and functional lighting – helps staff manage toxic light in the NICU • Touch Time – allows undisturbed patient care for 20 minutes • Hood, side walls, and jumbo ports – allow quick, easy access without compromising the baby's temperature • Ergonomic handles and large double castors with steering wheel – enable one person to easily maneuver the unit • USB data transfer of device settings – speeds patient transition • Accessible X-ray tray, electronic bed tilt and lift, and integrated scale • Seamless workplace integration of patient monitoring, infusion devices, examination lighting, and respiratory support • Supports standardized alarm management practices and ease of implementation across the NICU to reduce nuisance alarms

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