

Republic of the Philippines  
DEPARTMENT OF HEALTH



**REGION II TRAUMA AND MEDICAL CENTER**

Magsaysay, Bayombong, Nueva Vizcaya

DEPARTMENT OF PATHOLOGY

**PLANNING AND DESIGN GUIDELINES FOR BLOOD CENTERS**

**Note: Follow Technical Specifications stated in the Anatomic and Clinical Laboratory Designs Guidelines**

Donors waiting area	<p>Washing area Water dispenser Chairs for 20 donors Door to the reception area Door to Interview/counselling Door to Physical examination/Testing Door to the Therapeutic Phlebotomy room Door to Phlebotomy area Transaction Window to the Blood Bank Main Reception Audio-visual entertainment adaptations Provide toilet for donors</p>
Reception area	<p>Transaction window with round hole and pass thru window to the donors waiting area. Work counter below the transaction windows from the donors waiting area, interview/counseling and physical examination and testing area, with leg rooms, cabinets and desktop computer adaptations. Working table with sink, cabinets (hanging and below the working table). Open floor area for two (2) filing cabinets. Provide working area for three (3) staff.</p>
Interview/counseling room	<p>Door from donors waiting area Door from the reception area Transaction window from the reception area with hole and pass thru window Provision of intercom adaptation Sound proof room</p>
Physical Examination and testing room	<p>Door from donors waiting area Door from the Phlebotomy area Transaction window from the reception area with hole and pass thru window</p>
Therapeutic Phlebotomy room	<p>Door near the main entrance before the Donors waiting area. The area should be adjacent to the donors phlebotomy area. Provide area for one (1) bleeding couch Provide work counter with sink and cabinets Centralized oxygen port Intercom</p>
Phlebotomy area	<p>Door to the therapeutic phlebotomy room Door from the waiting area Provide space for six (6) bleeding couches Provide space for two (2) apheresis machine Working table with sink and cabinets</p>

	<p>Provision of audio visual adaptation</p> <p>The area should not be seen from the donors waiting area</p>
Blood Screening for TTIs	<p>Door from phlebotomy area</p> <p>This area should be adjacent to the donor phlebotomy and reception area and joint room with the component processing</p> <p>Provide working table with sink and cabinets</p> <p>Provide open space for automated immunology machine.</p> <p>Provide open space for plasma freezer, blood refrigerator, platelet incubator with agitator and reagent refrigerator.</p> <p>Working table without sink for high speed centrifuge</p>
NUCLEIC ACID AMPLIFICATION TESTING room	<p>Beside the Blood Screening for TTIs</p> <p>Provide working table with sink.</p> <p>Emergency shower and eyewash</p> <p>Anteroom with handwashing facility and PPE cabinets</p> <p>With negative pressure and HEPA filter</p> <p>Provide open space for the Automated analyzer</p> <p>WHO requirement is 30 M2 except the anteroom</p> <p>Provide area for Biological freezer and Refrigerator</p> <p>Working table without sink for accessory equipment like centrifuge water bath etc.</p> <p>Provide adaptations to intercom and net for Desktop computers with LIS</p>
Components processing area	<p>Joint area with the TTI area.</p> <p>Working table without sink for tube sealer, welder weighing scale and plasma extractor(both areas will use only one sink).</p> <p>Provide open space for three (3) refrigerated centrifuge.</p>
Blood Storage area	<p>Door from the component processing area</p> <p>Provide space for Blood Refrigerator, Plasma freezer and platelet incubator with agitator.</p>
Blood typing and Crossmatching area	<p>Joint area with the Blood storage area.</p> <p>Provision of working table with sink.</p> <p>Provide working table with desktop computer adaptation intended for verification and labelling of blood units.</p> <p>Provide working table for semi-automated compatibility equipments, serological centrifuge, tube sealer plasma thawer and extractor.</p> <p>Provide open space for fully automated compatibility testing machine.</p> <p>Provide space for blood refrigerator for crossmatched blood</p>
Releasing of blood units	<p>Dedicated area within the blood storage and crossmatching area accessible to main entrance and clinical wards.</p> <p>Provide working table with desktop computer adaptations and a transaction counter with pass thru window.</p>
Storage for supplies	<p>Accesible thru the back entrance and to the technical working area</p> <p>Provide open shelves cabinet almost occupying the whole room</p>
Storage for records and archives	<p>Joint area with the storage for supplies</p> <p>Provide open shelves cabinet almost occupying the whole room</p>
Mobile Blood Donation (MBD) jump-off area	<p>Provide space for MBD equipments (Tables, Beds, Transport boxes and portable refrigerators.</p> <p>Handwashing area</p> <p>Provide open space for one chest freezer</p> <p>Accessible to the Mobile Blood Donation Vehicle parking area</p>
Administrative office: Within the Blood bank area.	<p>Table for the Head of the Blood Bank.</p> <p>Table for the Administrative Assistant.</p> <p>Table for the Medical officer.</p> <p>Table for the Blood Bank Supervisor</p> <p>Provide space for at least three (3) filing cabinets</p>

Toilet	Male and female American standards sets
Powder area	Joint area with the toilets Provide mirror Table with sink Lockers proportional to the number of staff on duty Provide enclosed area as change room (gender sensitive issue)
Pantry	With kitchen amenities
Conference	Adjacent to the Administrative office, toilet and pantry. Provide space for conference table good for 20 pax. Provide for library inspired cabinets. Provision of adaptations for audio-visuals.
Main entrance	From less foot traffic area from outside Should be one meter concealed from the main corridor Provide visitors lounge that can fit a standard sala set with center and side table. Provision of thermal/ biometrics scanner adaptations
Washing and sterilization area	Working table with sink and cabinets. Provide space for sterilization equipment (Autoclave). Table for drying oven (may be included in the working table with sink). Near to waste holding area
Waste holding area	Area outside the facility near to washing and sterilization area. Pest and stray animals must not gain entry into the area With good ventilation Accessible to waste management personnel.
Department of Pathology and Training	Provide table and chair for the following: <ul style="list-style-type: none"> <li>• Chairman, Department of pathology with concealment from the others. Dedicated internet and intercom lines. Table for one (1) microscope</li> <li>• Head, Blood Bank</li> <li>• Head Anatomic Laboratory</li> <li>• Head Clinical Laboratory</li> <li>• Head Molecular Laboratory</li> </ul> Provide ten (10) Cubicle type working counter for residents: Provide Male and Female toilet with powder room Provide pantry with amenities (can be joined with the blood bank) Provide Conference room for residents and staff Provide Staff quarters with lockers near the back exit Provide Interns quarters