

# Regimen Reference Order – paclitaxel-protein bound desensitization

Desensitization protocol is prescribed in combination with a paclitaxel-protein bound-based protocol

**ARIA: SUPP - [pacl (prot. bound) (desens)]**

**Planned Course:** Refer to prescribed paclitaxel-protein bound-based protocol  
**Indication for Use:** Eligible patients with previous hypersensitivity reactions to paclitaxel-protein bound

**Alert:** Desensitization protocol

***paclitaxel-protein bound:***

- *paclitaxel-protein bound is prepared undiluted in 1 bag by Pharmacy*
- *Total volume in bag will be determined by patient’s dose*
- *paclitaxel-protein bound must be the first chemotherapy agent administered when given in combination with another chemotherapy agent*
- *IV tubing is primed with paclitaxel-protein bound (Cytotoxic)*
- *paclitaxel-protein bound is administered slowly following specified rate increases*

**CVAD:** At Provider’s Discretion

**Blood work requirements:**  
 ❖ *Refer to prescribed paclitaxel-protein bound-based protocol*

## SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements		
Drug	Dose	CCMB Administration Guideline
<i>Refer to prescribed paclitaxel-protein bound-based protocol</i>		

Treatment Regimen – paclitaxel-protein bound desensitization		
Establish primary solution 500 mL of: normal saline		
Drug	Dose	CCMB Administration Guideline
Antiemetics	Refer to prescribed paclitaxel-protein bound-based protocol	
montelukast	10 mg	Orally <b>1 hour</b> prior to paclitaxel-protein bound
cetirizine	20 mg	Orally <b>1 hour</b> prior to paclitaxel-protein bound
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes <b>1 hour</b> prior to paclitaxel-protein bound <i>*Nursing Alert: paclitaxel-protein bound starts 1 hour after completion of dexamethasone infusion</i>

Wait 1 hour after completion of IV pre-medication(s) before starting paclitaxel-protein bound		
paclitaxel-protein bound (nab-PACLitaxel)	Dose as specified in protocol	IV (administered undiluted) following the administration rates below: <b>Step 1:</b> 2 mL/hour for 15 minutes, then <b>Step 2:</b> 3 mL/hour for 15 minutes, then <b>Step 3:</b> 4 mL/hour for 15 minutes, then <b>Step 4:</b> 5 mL/hour for 15 minutes, then <b>Step 5:</b> 7.5 mL/hour for 15 minutes, then <b>Step 6:</b> 15 mL/hour for 15 minutes, then <b>Step 7:</b> 30 mL/hour for 15 minutes, then <b>Step 8:</b> 40 mL/hour for 15 minutes, then <b>Step 9:</b> 50 mL/hour for 15 minutes, then <b>Step 10:</b> 60 mL/hour for 15 minutes, then <b>Once step 10 is complete, increase rate by 10 mL/hour every 15 minutes until infusion is complete</b> <i>Note: No filter required for desensitization protocol</i> <i>*Nursing Alert: IV tubing is primed with paclitaxel-protein bound</i> <i>*Alert: Pharmacy to ensure final volume on label</i>

In the event of an infusion-related hypersensitivity reaction, refer to the ‘Hypersensitivity Reaction Standing Order’

## REQUIRED MONITORING

All Cycles

- Full vital signs (temperature, heart rate, respiratory rate, blood pressure and O<sub>2</sub> saturation) at baseline and as clinically indicated
- No observation period is required after paclitaxel-protein bound administration. Patient can be discharged from treatment room if stable whether they had a reaction or not
- Refer to the prescribed paclitaxel-protein bound-based protocol for additional monitoring

## Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
<i>Refer to prescribed paclitaxel-protein bound-based protocol</i>		

## DISCHARGE INSTRUCTIONS

- Patients should be instructed to contact their cancer team immediately if symptoms of hypersensitivity reactions occur after discharge
- Refer to the prescribed paclitaxel-protein bound-based protocol for additional instructions
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

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## ADDITIONAL INFORMATION

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- paclitaxel-protein bound is also called paclitaxel albumin bound or nab-PACLitaxel
- Oncologist must write first prescription of paclitaxel-protein bound desensitization protocol
- Once the patient requires paclitaxel-protein bound desensitization protocol, all subsequent paclitaxel-protein bound doses must be given using paclitaxel-protein bound desensitization protocol
- Refer to the prescribed paclitaxel-protein bound-based protocol for additional paclitaxel-protein bound information
- Support protocol is available under **pacl-protein bound** in the “Desensitization” folder
- Due to the duration of treatment, administration site restrictions may be in place for paclitaxel-protein bound desensitization